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(54) **SUBSTITUTED PYRAZOLO(1,5-A)PYRIMIDINES AND THEIR USE IN THE TREATMENT OF MEDICAL DISORDERS**

(57) The invention provides substituted pyrazolo[1,5-a]pyrimidine and related organic compounds, compositions containing such compounds, medical kits, and methods for using such compounds and compositions to treat medical disorders, e.g., Gaucher disease, Parkinson's disease, Lewy body disease, dementia, or

multiple system atrophy, in a patient. Exemplary substituted pyrazolo[1,5-a]pyrimidine compounds described herein include 5,7-dimethyl-N-phenylpyrazolo[1,5-a]pyrimidine-3-carboxamide compounds and variants thereof.

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The present search report has been drawn up for all claims

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Place of search Munich	Date of completion of the search 4 September 2024	Examiner Sotoca Usina, E
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